

## Special Issue

# Fatigue Crack Growth in Metallic Materials

### Message from the Guest Editor

Design against fatigue is fundamental in components submitted to cyclic loads. The damage tolerance approach assumes the presence of small cracks and the propagation life is used to define inspection intervals. The ability to accurately predict fatigue crack growth rates is therefore fundamental. Despite the significant research developed in the last several decades, further work is needed to understand the fundamental mechanisms and to accurately model fatigue crack growth. I invite researchers to submit papers focused on the study of fatigue crack growth in metallic materials. The study of fundamental mechanisms (cyclic plastic deformation, coalescence of microvoids, environmental damage, other brittle mechanisms, etc.) is welcome. The link between these mechanisms, crack tip parameters (linear and non-linear), and fatigue crack growth rates are also welcome. Both original and review papers are welcome.

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### Guest Editor

Prof. Dr. Fernando Ventura Antunes

Centre for Mechanical Engineering, Materials and Processes (CEMMPRE), Department of Mechanical Engineering, University of Coimbra, 3030-788 Coimbra, Portugal

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### Deadline for manuscript submissions

closed (20 July 2022)



## Materials

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MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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